

Appendix 5-B

Culinary Water System

Culinary Water System

Co-Op, on September 1983, applied for a change of Point of Division place and nature of use of water Right A-35836 (93-1067). The application was approved on September 28, 1984. The purpose of the application and the change was to facilitate a new mine located in Bear Canyon SE1/4,SE1/4, Sec. 22, NE1/4, NE1/4, Sec. 27 T16S, R7E, SLBM.

On June 10, 1985, an application for a change in nature of use was submitted to the Division of Water Rights to incorporate culinary (domestic use). Anticipated usage of the system is a potential of 2 families, and as many as 40 miners on 3 different shifts.

Water is trapped in a portion of the old works of The Bear Canyon Mine. This mine was abandoned in the 1920's. The resulting of abandonment created a sump which is recharged through a number of seeps associated with regional faulting. A 1 ½ in. PVC schedule 40 pipe was installed to gravity feed a 10,00 gal water storage tank located at the fan site. A distance of approximately 360 ft transversing the existing mine. This pipe is buried on all working areas of the mine to a depth of 4 ft.

Laboratory analysis of the water indicates that it is of a suitable quality, and a sample sent to the Department of Health to determine bacterial content, indicated "O" count.

The culinary water line is shown on Plate 2-4. Copies of the system as approved by the Utah State Division of Health, Safe drinking water Committee are included in the following pages of this appendix.

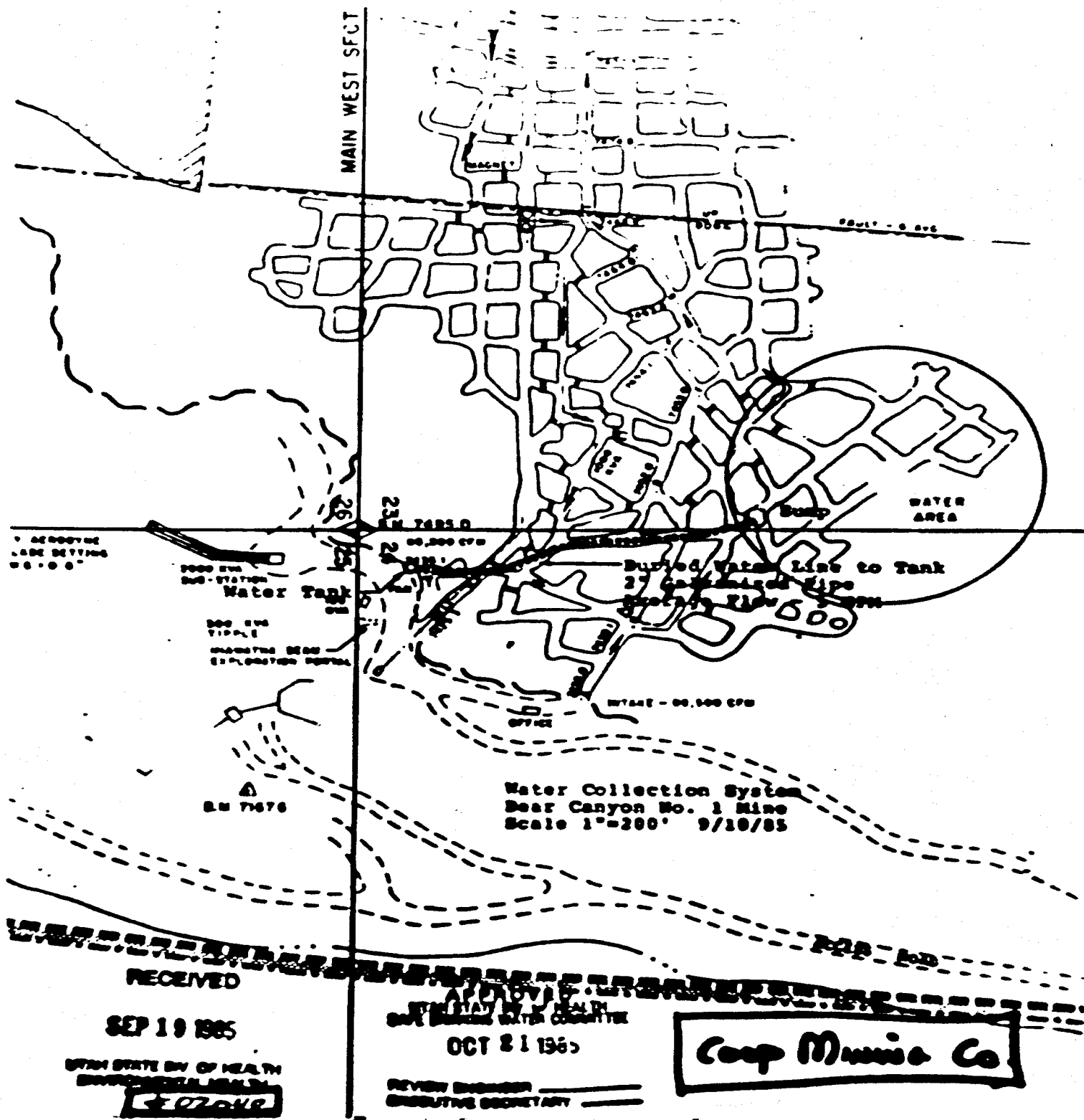
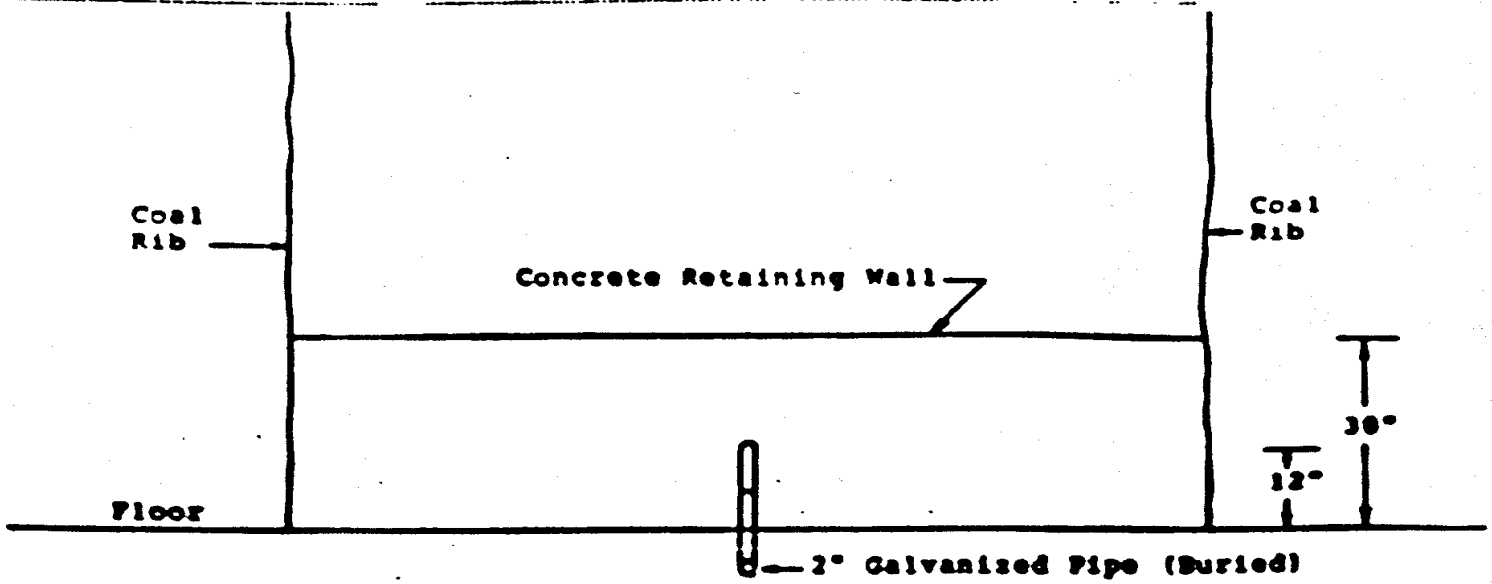


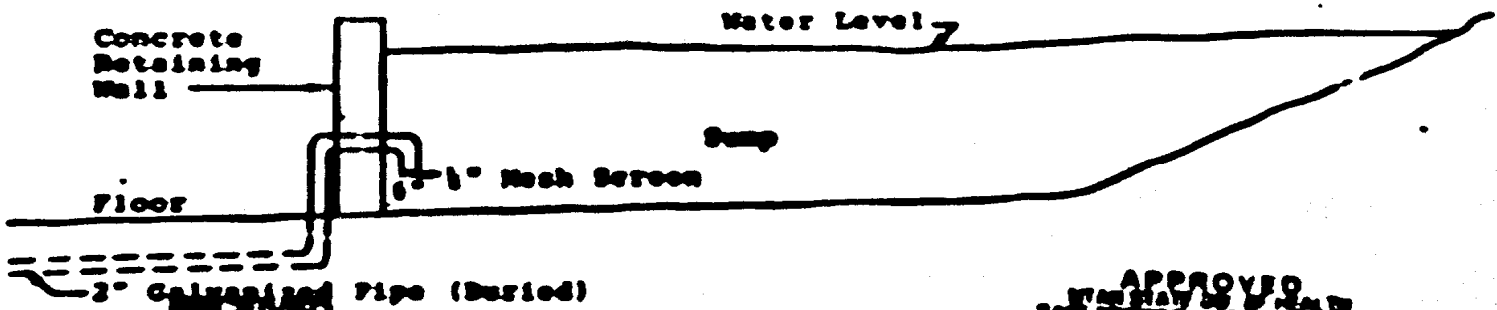
Figure 5B-1 Water Collection System, Bear Canyon Mine

BY R. GUY DATE 9/10/85 SUBJECT Underground Collection Sump Details
 CHECKED BY _____ DATE _____

SHEET NO. _____ OF _____
 JOB NO. _____



End View
 Scale 1" = 2'



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 ENVIRONMENTAL HEALTH

Side View
 Scale 1" = 2'

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 FOR MAY 20 1985
 FOR CONSTRUCTION OF THE
CCT 2 - 1265
 REVIEW ENGINEER _____
 CHIEF OF DEPARTMENT _____

Figure 5B-2 Underground Collection Sump Details

BY D. Guy DATE 9/10/85 SUBJECT Typical Section of
Buried Water Line
and Freeze-Proof Valve

SHEET NO. _____ OF _____
 JOB NO. _____

Scale 1" = 2'

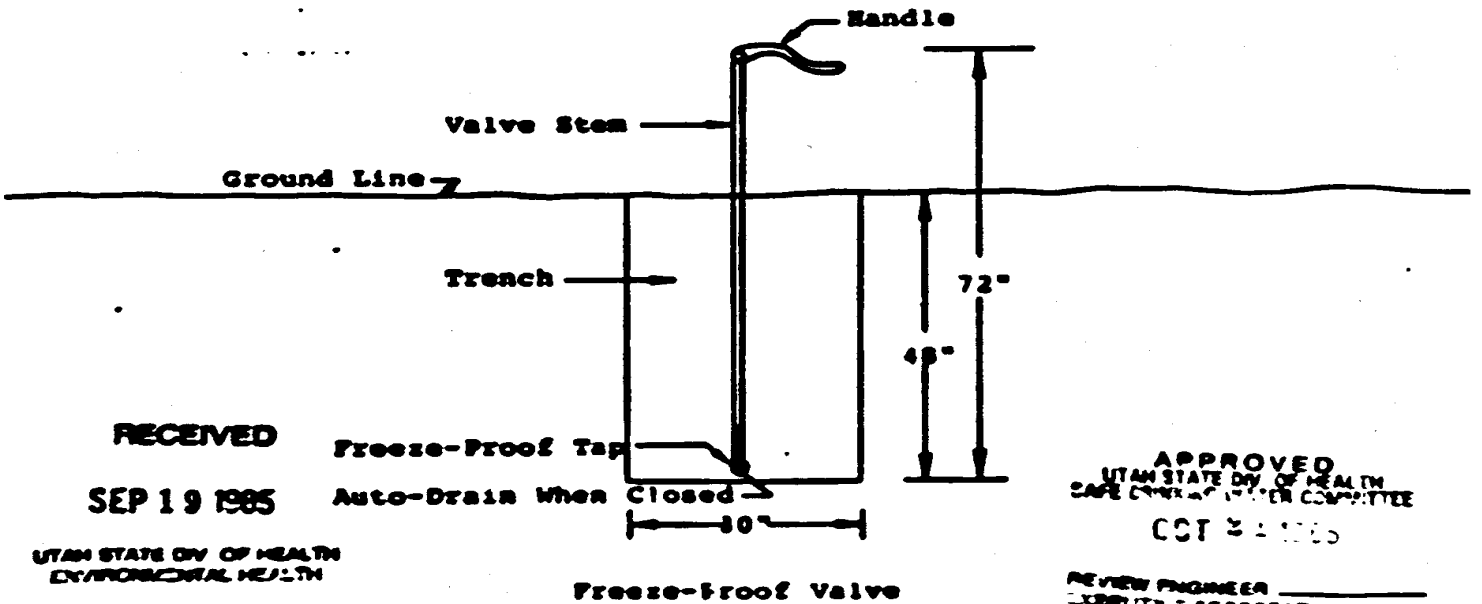
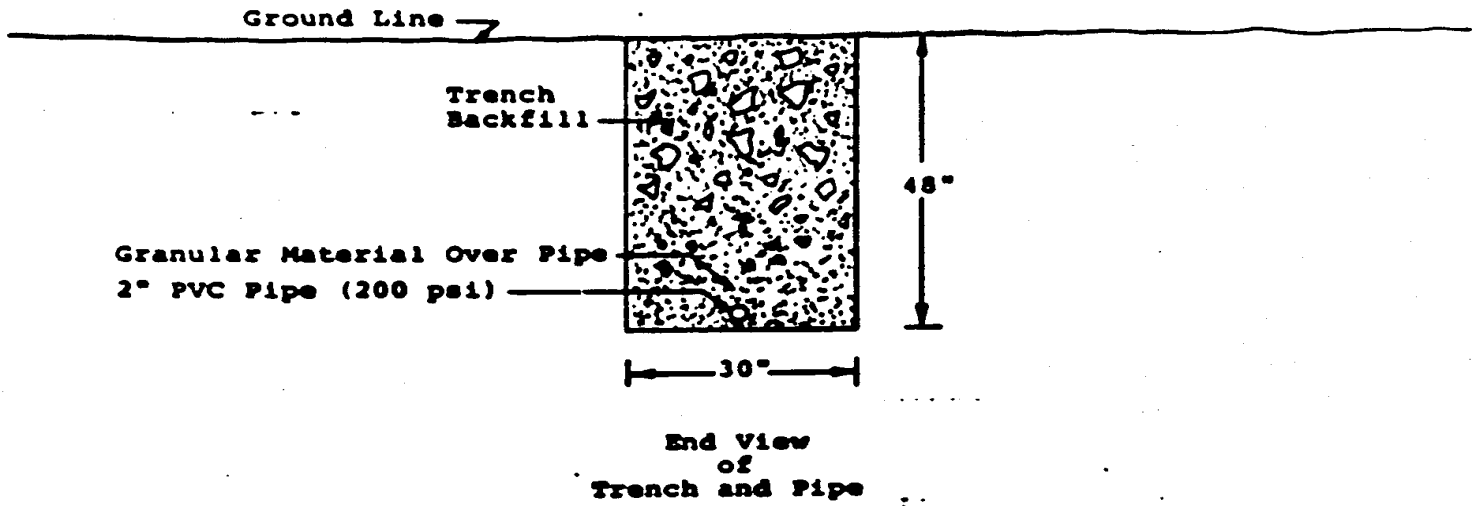
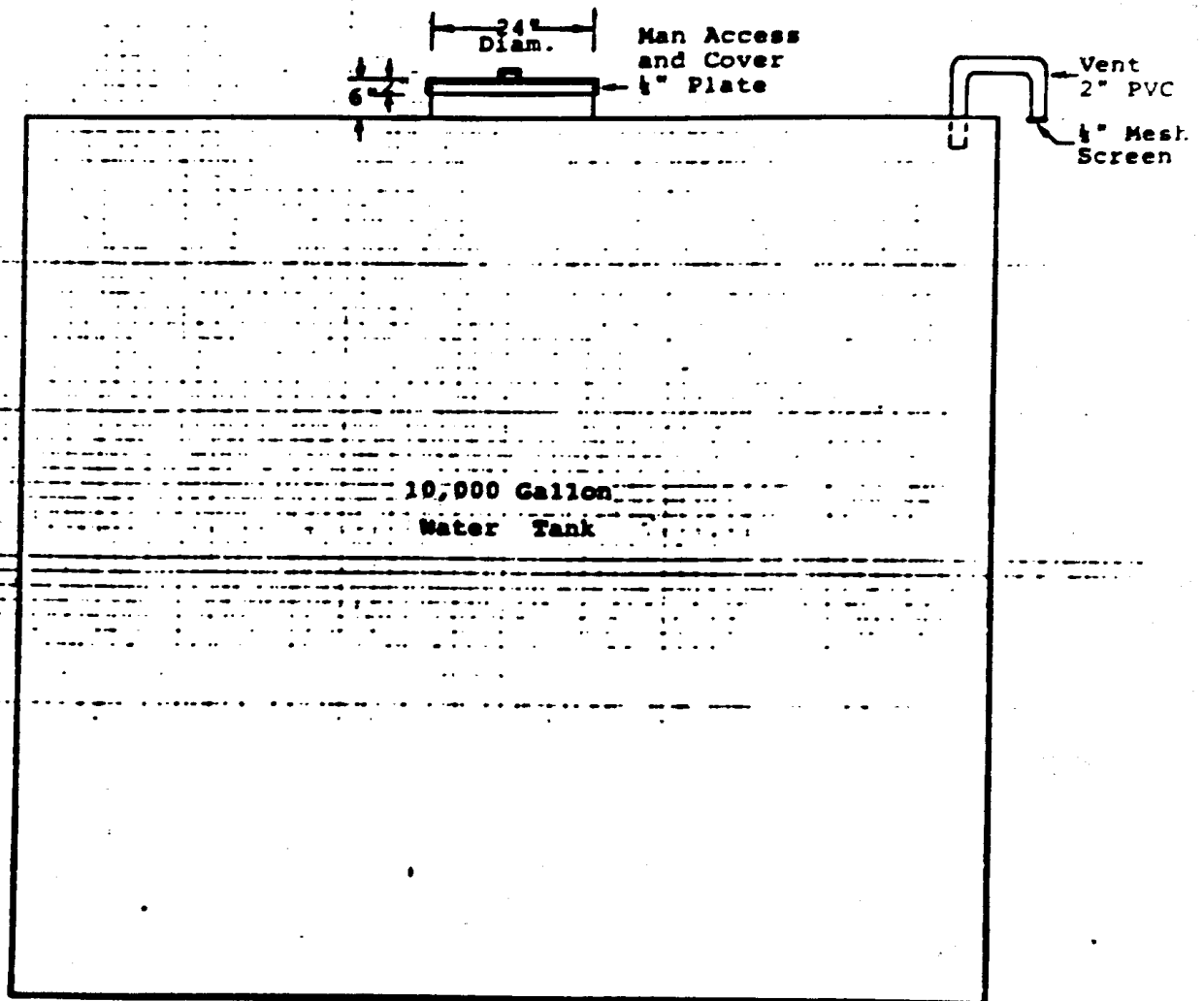


Figure 5B-3 Typical Section of Buried Water Line and Freeze-Proof Valve

BY D. Guy DATE 9/10/85 SUBJECT Water Tank Access and Vent Details SHEET NO. OF
 CHKD. BY DATE JOB NO.
 Scale 1" = 2'



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 REVIEW ENGINEER _____
 EXECUTIVE SECRETARY _____

Figure 5B-4 Water Tank Access and Vent Details